

Message Text

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PAGE 01 TOKYO 11632 051332Z

ACTION NRC-07

INFO OCT-01 EA-09 ISO-00 OES-07 PM-05 ACDA-10 CIAE-00

INR-07 IO-14 L-03 NSAE-00 NSC-05 EB-08 FEAE-00

DODE-00 SS-15 SP-02 /093 W

-----110703 051356Z /46

P 030240Z AUG 77

FM AMEMBASSY TOKYO

TO ERDA GERMANTOWN PRIORITY

ERDA WASHDC PRIORITY

SECSTATE WASHDC PRIORITY 9829

UNCLAS TOKYO 11632

STATE PLS PASS TO NRC FOR LAFLEUR

E.O. 11652: N/A

TAGS: TECH, JA

SUBJECT: NUCLEAR CONSTRUCTION SCHEDULE INFORMATION

REF: A) STATE 170873, B) STATE 123202

1. IN RESPONSE TO REFTEL REQUESTS FOR NUCLEAR POWER PLANT SCHEDULES IN JAPAN, INFORMATION BELOW DEVELOPED FROM DATA OBTAINED FROM JAPAN ATOMIC INDUSTRIAL FORUM. ERDA REP UNDERSTANDING THAT DATA DESIRED BY NRC NOT JUST ON CONSTRUCTION SCHEDULES, BUT ALSO TIMES REQUIRED FOR GOVERNMENT APPROVALS, SAFEGUARDS REVIEWS, NEGOTIATIONS FOR COMPENSATION WITH LOCAL ORGANIZATIONS, ETC. WHILE SPECIFIC DETAILS IN THE FORM OF MILESTONES OBTAINED FROM JAIF FOLLOW IN 2 BELOW, IN SUMMARY, OVERALL ELAPSED TIME FROM DECISION TO CONSTRUCT THROUGH INITIAL COMMERCIAL OPERATION RUNS ABOUT TEN YEARS. MILESTONES START FROM APPROVAL OF ELECTRIC POWER RESOURCES DEVELOPMENT COORDINATION COUNCIL (EPRDCC), BUT PRIOR TO THIS, ROUGHLY THREE YEARS ARE SPENT ON THE PURCHASE OF THE PROPERTY, ENVIRONMENTAL SURVEYS AND NEGOTIATIONS FOR COMPENSATION
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PAGE 02 TOKYO 11632 051332Z

WITH LOCAL GROUPS, MOSTLY FISHERMEN.

2. FOLLOWING IS LISTING AND EXPLANATION OF MILESTONES.
DATES IN PARENTHESES ARE FORECASTS:

MILESTONES

	1	2	3	4	5
FUKU I-3	5/69	1/70	10/70	8/74	3/76

HAMAOKA 1 5/69 12/70 2/71 6/74 3/76

OHI 2 10/70 4/72 11/72 (12/77) (12/78)

FUKU I-4 6/71 1/72 5/73 (12/77) (10/78)

TOKAI 2 12/71 12/72 4/73 2/77 (12/77)

HAMAOKA 2 2/72 6/73 9/73 (9/77) (9/78)

TAKAHAMA 2 5/70 11/70 2/71 12/74 11/75

MILESTONE 1. APPROVAL EPRDCC. REPORT (EIS) PREPARED BY UTILITY AND ADDRESSED TO PRIME MINISTER ON ENVIRONMENTAL IMPACT OF PROPOSED PLANT. REPORT REQUIRES GOVERNMENTAL REVIEW AND APPROVAL PRIME MINISTER, WHO IS CHAIRMAN EPRDCC. REVIEW MADE IN CONTEXT OF ELECTRICAL REQUIREMENTS OF ENTIRE COUNTRY, AND COORDINATED WITH PREFECTURAL OFFICES. REPORT SUBMITTED TO COMMITTEE ON ENVIRONMENTAL EXAMINATION, MITI, WHICH MAKES ENVIRONMENTAL-TYPE RECOMMENDATIONS TO EPRDCC, WHICH CHECKS WITH GOVERNOR OF PREFECTURE AND PUBLISHES REPORT, PERMITTING PUBLIC REACTION. PRIOR TO EPRDCC APPROVAL SITE SURVEYS HAVE BEEN MADE, THE LAND HAS BEEN PURCHASED, AND THE PUBLIC IS AWARE OF THE UTILITIES' PLANS. NEGOTIATIONS FOR COMPENSATION WITH VARIOUS GROUPS (PRIMARILY FISHERMEN) HAVE BEEN COMPLETED. IF NEGOTIATIONS HAVE BEEN UNSUCCESSFUL, FORMAL APPLICATION IS NOT MADE TO EPRDCC AND FIRST MILESTONE IS NEVER ACHIEVED. ONE OUTSTANDING EXCEPTION IS ONAGAWA NUCLEAR PLANT WHICH WAS PERMITTED TO PROCEED THROUGH CONSTRUCTION PERMIT (MILESTONE 3) BEFORE UNCLASSIFIED

UNCLASSIFIED

PAGE 03 TOKYO 11632 051332Z

COMPLETION NEGOTIATIONS WITH FISHERMEN. MILESTONES 1 AND 2 ACHIEVED IN 1970, MILESTONE 3, IN 1971, AT WHICH TIME CONSTRUCTION BEGAN. NEGOTIATIONS ARE STILL UNDERWAY WITH FISHERMEN WHO NOW HAVE CONSIDERABLE LEVERAGE AND ARE NOT UNAWARE OF IT. UTILITY WOULD AT THIS TIME, BE OVERJOYED TO SETTLE FOR AMOUNT OF ORIGINAL DEMAND BY FISHERMEN. FOR SEVERAL YEARS NOW EPRDCC APPROVAL IS NOT REQUESTED UNTIL ALL DIFFICULT NEGOTIATIONS ARE SETTLED.

MILESTONE 2. REACTOR INSTALLATION PERMIT. THIS MILESTONE IS THE SAFEGUARDS APPROVAL WHICH INVOLVES ACRS REVIEW OF A UTILITY REPORT ON THE DESIGN AND OPERATION OF THE PLANT, AND PUBLIC HEARINGS ON ITS SAFETY. A CERTAIN AMOUNT OF CIVIL WORK SOMETIMES PRECEDES ISSUANCE OF THIS PERMIT. THE UTILITY APPLIES TO THE PRIME MINISTER WHO REQUESTS THE VIEWS OF THE ATOMIC ENERGY COMMISSION, A FIVE MAN STAFF REPORTING TO THE DIRECTOR GENERALS OF STA AND MITI. THE COMMISSION REVIEWS THE REPORT AGAINST FOUR PRIMARY CRITERIA: 1) THE REACTOR CANNOT BE USED FOR OTHER THAN PEACEFUL PURPOSES, 2) THE ISSUANCE OF THE CONSTRUCTION

PERMIT MUST CONSTITUTE A POSITIVE CONTRIBUTION TO THE COUNTRY'S NUCLEAR POWER DEVELOPMENT PROGRAM, 3) THE UTILITY MUST HAVE THE TECHNICAL AND FINANCIAL CAPABILITY TO BUILD AND OPERATE THE PLANT, AND 4) ACCIDENTS MUST BE FULLY PROTECTED AGAINST. (THIS MILESTONE IS FREQUENTLY CALLED THE CONSTRUCTION PERMIT, BUT IN ACTUALITY, IT IS A PREREQUISITE TO THE CP).

MILESTONE 3. CONSTRUCTION PERMIT. THE CONSTRUCTION PERMIT IS ISSUED BY MITI AFTER FAVORABLE REVIEW OF A UTILITY PROPOSAL. THE REVIEW IS IN CONFORMANCE WITH THE LAW RELATING TO ELECTRIC STRUCTURES. THE MITI ADVISORY COMMITTEE ON NUCLEAR POWER GENERATION
UNCLASSIFIED

UNCLASSIFIED

PAGE 04 TOKYO 11632 051332Z

PERFORMS THE REVIEW FOR THE PRIME MINISTER IN SERIES WITH THE AEC REVIEW OF THE DESIGN OF THE NUCLEAR SYSTEM.

MILESTONE 4: CRITICALITY.

MILESTONE 5. COMMERCIAL OPERATION.

3. AS NRC AWARE, DUE TO ACTIVE US-JAPAN REGULATORY AND LWR SAFETY EXCHANGES AND STRONG US-JAPAN NUCLEAR COMMERCIAL RELATIONSHIPS, JAPANESE LICENSING AND REGULATORY STRUCTURE AND FUNCTIONS HAVE BEEN DEVELOPED FROM US MODEL AND CONSEQUENTLY ARE VERY SIMILAR. MAJOR DIFFERENCES IN TIME REQUIRED FOR VARIOUS STEPS WOULD BE BIG SURPRISE.
MANSFIELD

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Disposition Approved on Date:
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Disposition Comment:
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Disposition Event:
Disposition History: n/a
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